

Revised Table 1A

Table 1A

Gene No.	cDNA Clone ID	ATCC Deposit No.: Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
1	H2CBU83	209889 05/22/98	pBluescript SK-	11	2703	1	2703	157	157	395	1	30	31
1	H2CBU83	209889 05/22/98	pBluescript SK-	259	2709	1	2709	157	157	643	1	30	31
2	H6EDC19	209324 10/02/97	Uni-ZAP XR	12	760	324	760	389	389	396	1	25	26
3	HACBD91	209626 02/12/98	Uni-ZAP XR	13	1445	1	1445	117	117	397	1	42	43
4	HACCI17	203071 07/27/98	Uni-ZAP XR	14	1722	336	1714	461	461	398	1	24	25
4	HACCI17	203071 07/27/98	Uni-ZAP XR	260	1380	12	1380	135	135	644	1	24	25
5	HAGAQ26	209368 10/16/97	Uni-ZAP XR	15	1333	157	1333	251	251	399	1	20	21
6	HAGDS35	209299 09/25/97	Uni-ZAP XR	16	751	1	751	45	45	400	1	23	24
6	HAGDS35	209299 09/25/97	Uni-ZAP XR	264	813	1	813	52	52	645	1	23	24
7	HAGFI62	209782 04/20/98	Uni-ZAP XR	17	1003	368	992	429	429	401	1	28	29
8	HAHDB16	209626 02/12/98	Uni-ZAP XR	18	796	1	796	93	93	402	1	20	21
9	HAICP19	209009 04/28/97	Uni-ZAP XR	19	1624	89	1483	128	128	403	1	18	19

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10	HAIFL18	209852 05/07/98	Uni-ZAP XR	20	879	1	879	274	404	1	29	30	140
11	HAJAN23	PTA-322 07/09/99	pCMVSport 3.0	21	2849	1	2849	109	405	1	15	16	563
11	HAJAN23	PTA-322 07/09/99	pCMVSport 3.0	262	2288	1	2288	120	646	1	15	16	169
12	HAJBR69	209626 02/12/98	pCMVSport 3.0	22	755	1	755	262	406	1	19	20	53
13	HAMFE15	203364 10/19/98	pCMVSport 3.0	23	4129	1	4129	1495	407	1	34	35	421
13	HAMFE15	203364 10/19/98	pCMVSport 3.0	263	3758	1	3758	226	647	1	23	24	47
14	HAMGR28	209965 06/11/98	pCMVSport 3.0	24	1674	47	1674	98	408	1	18	19	242
14	HAMGR28	209965 06/11/98	pCMVSport 3.0	264	1534	1	1534	40	648	1	18	19	203
15	HAPBS03	209651 03/04/98	Uni-ZAP XR	25	1503	45	1479	252	409	1	28	29	41
16	HAPNY94	209889 05/22/98	Uni-ZAP XR	26	742	1	742	94	410	1	29	30	50
17	HAPOM49	209878 05/18/98	Uni-ZAP XR	27	2005	1	2005	251	251	411	1	22	23
17	HAPOM49	209878 05/18/98	Uni-ZAP XR	265	2664	1	2664	448	649	1	1	2	123
18	HAPUC89	203570 01/11/99	Uni-ZAP XR	28	1153	1	1153	385	412	1	25	26	140

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19	HATBR65	209626 02/12/98	Uni-ZAP XR	29	812	1	812	252	443	1	16	17	64
20	HAUAI83	209626 02/12/98	Uni-ZAP XR	30	910	1	886	253	444	1	18	19	49
20	HAUAI83	209626 02/12/98	Uni-ZAP XR	266	1076	1	1076	575	659	1	10	11	23
21	HBAMB15	209683 03/20/98	pSportI	31	821	330	821	390	445	1	19	20	59
22	HBGBA69	209878 05/18/98	Uni-ZAP XR	32	981	1	981	124	446	1	38	39	240
22	HBGBA69	209878 05/18/98	Uni-ZAP XR	267	943	1	933	62	654	1	38	39	60
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	33	864	1	864	125	447	1	21	22	185
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	268	941	1	941	79	652	1	21	22	178
23	HBGNU56	PTA-2073 06/09/00	Uni-ZAP XR	271	988	804	853	2	653	1	1	2	219
24	HBIAE26	209224 08/28/97	Uni-ZAP XR	34	1038	1	1038	75	418	1	18	19	39
25	HBINSS58	PTA-885 10/28/99	pCMVSport 3.0	35	843	1	843	57	57	419	1	30	31
25	HBINSS58	PTA-885 10/28/99	pCMVSport 3.0	273	1566	1	1566	71	71	654	1	29	30
25	HBINSS58	PTA-885 10/28/99	pCMVSport 3.0	274	1057	1	1067	100	655	1	29	30	210

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26	HBJFU48	209125 06/19/97	Uni-ZAP XR	36	849	1	849	20	420	1	39	40	40
27	HBILC01	209651 03/04/98	Uni-ZAP XR	37	872	1	872	87	421	1	34	35	46
28	HBNAW17	209242 09/12/97	Uni-ZAP XR	38	601	1	601	77	422	1	37	38	61
29	HCE2F54	209626 02/12/98	Uni-ZAP XR	39	1276	19	1256	166	423	1	19	20	319
30	HCE3G69	209878 05/18/98	Uni-ZAP XR	40	2084	1	2084	165	424	1	19	20	336
30	HCE3G69	209878 05/18/98	Uni-ZAP XR	272	2078	1	2078	165	656	1	19	20	105
31	HCE5F43	209580 01/14/98	Uni-ZAP XR	41	1765	1	1765	113	425	1	20	21	272
32	HCEFB80	PTA-2069 06/09/00	Uni-ZAP XR	42	2494	1	2494	12	426	1	35	36	89
32	HCEFB80	PTA-2069 06/09/00	Uni-ZAP XR	273	2494	1	2451	5	5	657	1	35	89
33	HCENK38	209651 03/04/98	Uni-ZAP XR	43	1509	1	1509	10	427	1	28	29	52
34	HCEWE20	209300 09/25/97	Uni-ZAP XR	44	885	13	885	166	428	1	18	19	51
35	HCFOM18	209324 10/02/97	pSport1	45	639	1	639	28	429	1	20	21	63
36	HCGMD59	209627 02/12/98	pCMV Sport 2.0	46	790	1	780	438	439	1	30	31	74

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37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	47	1343	1	1343	21	21	434 <u>441</u>	1	24	25	127
37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	274	845	1	845	124	124	658 <u>671</u>	1	47	48	127
37	HCNDR47	PTA-855 10/18/99	Lambda ZAP II	275	738	1	738		603 <u>672</u>	1	8	9	9	
38	HCNSB61	209242	pBluescript	48	712	1	712	218	218	432 <u>442</u>	1	21	22	43
39	HCQCT05	PTA-884 10/28/99	Lambda ZAP II	49	679	1	679		381 <u>443</u>	1			2	
39	HCQCT05	PTA-884 10/28/99	Lambda ZAP II	276	2333	1324	2333		1702 <u>673</u>	1			2	
40	HCUGM86	PTA-1544 03/21/00	ZAP Express	50	627	1	627	91	91	434 <u>444</u>	1	24	25	44
41	HCUM65	209324 10/02/97	ZAP Express	51	875	331	736	557	557 <u>445</u>	1	27	28	47	
42	HCWDST2	209852 05/07/98	ZAP Express	52	320	1	320	19	19 <u>446</u>	1	17	18	100	
43	HCWKC15	209324 10/02/97	ZAP Express	53	710	1	710	37	37 <u>447</u>	1	18	19	40	
44	HCWLM50	209627 02/12/98	ZAP Express	54	1428	208	1428	270	270 <u>448</u>	1	30	31	45	
45	HDABR72	209965 06/11/98	pSport1	55	1691	1	1691	33	33 <u>449</u>	1	29	30	146	
45	HDABR72	209965 06/11/98	pSport1	277	1746	1	1746	28	28 <u>661</u>	1	29	30	146	
				280					674 <u>674</u>					

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46	HDPBA28	PTA-163 06/01/99	pCMV Sport 3.0	56	3447	197	3447	259	259	440	1	32	33
46	HDPBA28	PTA-163 06/01/99	pCMV Sport 3.0	278	4909	1	4909	69	69	662	1	32	33
47	HDPBI32	209853 05/07/98	pCMV Sport 3.0	57	1513	1	1513	37	37	441	1	315	316
47	HDPBI32	209853 05/07/98	pCMV Sport 3.0	279	1579	598	1184	103	103	663	1	30	31
47	HDPBI32	209853 05/07/98	pCMV Sport 3.0	280	587	1	587	51	51	664	1	35	36
48	HDPCJ91	209877 05/18/98	pCMV Sport 3.0	58	6107	1	6107	131	131	442	1	28	29
49	HDPCJL63	PTA-1544 03/21/00	pCMV Sport 3.0	59	3037	115	3037	35	35	443	1	58	59
49	HDPCJL63	PTA-1544 03/21/00	pCMV Sport 3.0	281	2921	1	2921	260	260	665	1	17	18
49	HDPCJL63	PTA-1544 03/21/00	pCMV Sport 3.0	282	1259	358	1259	605	605	666	1	6	7 - 118
50	HDPCO25	209125 06/19/97	pCMV Sport 3.0	60	767	76	767	182	182	444	1	20	21
51	HDPGT01	203027 06/26/98	pCMV Sport 3.0	61	2687	138	2687	8	8	445	1	28	29
52	HDPHI51	209125 06/19/97	pCMV Sport 3.0	62	728	1	728	245	245	446	1	30	31
53	HDPMJ30	209563 12/18/97	pCMV Sport 3.0	63	1635	308	1633	59	59	447	1	59	60
								457	457				525

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53	HDPM30	209563 12/18/97	pCMVSport 3.0 <u>283</u> <u>286</u>	1314	1	1313	259	259	667	1	20	21	59
54	HDPN46	209627 02/12/98	pCMVSport 3.0 <u>287</u>	64	1727	1	1727	15	448	1	22	23	484
55	HDPOJ08	209878 05/18/98	pCMVSport 3.0 <u>65</u>	1655	1	1655	159	159	449	1	18	19	122
56	HDPPN86	PTA-867 10/26/99	pCMVSport 3.0 <u>66</u>	6297	1	6297	127	127	450	1	32	33	46
56	HDPPN86	PTA-867 10/26/99	pCMVSport 3.0 <u>284</u> <u>287</u>	2042	1	2042	117	117	668	1	26	27	46
57	HDPSB18	PTA-868 10/26/99	pCMVSport 3.0 <u>67</u> <u>3408</u>	1	3408	123	123	451	1	18	19	66	
57	HDPSB18	PTA-868 10/26/99	pCMVSport 3.0 <u>285</u> <u>288</u>	308	1	308	116	669	1	17	18	64	
57	HDPSB18	PTA-868 10/26/99	pCMVSport 3.0 <u>286</u> <u>289</u>	1568	1	1568	1525	670	1	7	8	14	
57	HDPSB18	PTA-868 10/26/99	pCMVSport 3.0 <u>287</u>	865	1	865	345	671	1	1	2	107	
58	HDPSH53	PTA-868 10/26/99	pCMVSport 3.0 <u>288</u> <u>291</u>	1663	1	1663	158	452	1	19	20	90	
58	HDPSH53	PTA-868 10/26/99	pCMVSport 3.0 <u>289</u> <u>570</u>	1687	1	1687	153	672	1	19	20	127	
59	HDPSP01	209745 04/07/98	pCMVSport 3.0 <u>69</u>	2343	1	2343	184	453	1	20	21	710	

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59	HDPSP01	209745 04/07/98	pCMV Sport Vector	290 3.0	1752 <u>293</u>	1 227	1752 227	674 687	1 18	20 19	21 48	308	
60	HDPSP54	209782 04/20/98	pCMV Sport	70 3.0	3091 <u>3.0</u>	2304 3091	2356 2356	454 464	1 1	18 41	19 42	48 55	
60	HDPSP54	209782 04/20/98	pCMV Sport	291 3.0	536 <u>294</u>	1 294	536 179	179 675	1 1	41 42	42 55		
61	HDPUH26	PTA-163 06/01/99	pCMV Sport	71 3.0	2916 <u>3.0</u>	1 2916	90 90	455 465	1 1	18 18	19 19	549	
62	HDPUW68	203331 10/08/98	pCMV Sport	72 3.0	1748 <u>3.0</u>	1 3.0	1748 860	40 1277	40 117	456 457	1 1	18 23	19 24
63	HDPUW34	209782 04/20/98	pCMV Sport	73 3.0	1277 <u>295</u>	860 427	1277 427	117 111	117 111	467 676	1 1	16 16	17 17
63	HDPUW34	209782 04/20/98	pCMV Sport	292 3.0	427 <u>295</u>	1 3.0	427 766	1 1	427 766	689 458	1 1	16 37	17 38
64	HDPPXY01	PTA-868 10/26/99	pCMV Sport	74 3.0	766 <u>3.0</u>	1 296	766 2409	23 1	766 2409	468 33	1 33	37 37	38 98
64	HDPPXY01	PTA-868 10/26/99	pCMV Sport	293 3.0	2409 <u>293</u>	1 297	2409 423	33 539	33 678	677 1	1 9	37 10	38 22
64	HDPPXY01	PTA-868 10/26/99	pCMV Sport	294 3.0	1471 <u>294</u>	1 297	1471 423	105 539	1471 678	1190 691	1 1	16 16	17 25
65	HDTBV77	203070 07/27/98	pCMV Sport	75 2.0	2181 <u>2.0</u>	1 298	2181 326	1 326	2181 326	692 459	1 1	22 22	23 608
66	HDTDQ23	209965 06/11/98	pCMV Sport	76 2.0	2207 <u>2.0</u>	1 296	2207 326	1 326	2207 326	469 469	1 1	20 20	21 56

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66	HDTIDQ23	20965 06/11/98	pCMV Sport 2.0 <u>299</u>	296 2227	1	2206	148	148	680 693	1	20	21	108
66	HDTIDQ23	20965 06/11/98	pCMV Sport 2.0 <u>300</u>	297 2214	1	2206	148	148 694	681 694	1	20	21	73
67	HE2DE47	97923 03/07/97 209071 05/22/97	Uni-ZAP XR	77 3533	2821	3532	808 <u>471</u>	461	1	30	31	540	
67	HE2DE47	97923 03/07/97 209071 05/22/97	Uni-ZAP XR <u>301</u>	298 1145	435	1115	515 <u>695</u>	682	1	22	23	81	
68	HE2NV57	209877 05/18/98	Uni-ZAP XR	78 867	1	867	99 <u>472</u>	462 472	1	36	37	99	
69	HE2PH36	209603 01/29/98	Uni-ZAP XR	79 1558	1	1558	28 <u>473</u>	463 473	1	21	22	66	
70	HE8DS15	PTA-1544 03/21/00	Uni-ZAP XR	80 2199	1	2199	91 <u>474</u>	464 474	1	24	25	72	
71	HE9CO69	209551 12/12/97	Uni-ZAP XR	81 1077	1	1077	161 <u>475</u>	465 475	1	26	27	41	
72	HE9HY07	209010 04/28/97 209085 05/29/97	Uni-ZAP XR	82 832	1	832	35 <u>476</u>	466 476	1	26	27	41	
73	HE9OW20	203570 01/11/99	Uni-ZAP XR	83 1209	1	1209	129 <u>477</u>	467 477	1	33	34	355	

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73	HE90W20	203570 01/11/99	Uni-ZAP XR	299 1165	1 1165	136 136	683 696	1	30	31	313	
73	HE90W20	203570 01/11/99	Uni-ZAP XR	300 1160	1 1160	129 129	684 697	1	30	31	134	
74	HEEAG23	209745 04/07/98	Uni-ZAP XR	84 1669	25 1280	57 57	468 478	1	18	19	46	
75	HEOMQ63	209563 12/18/97	pSportI	85 1336	1 1336	123 123	469 479	1	23	24	47	
76	HEPAB80	209423 10/30/97	Uni-ZAP XR	86 799	1 799	73 73	470 480	1	28	29	121	
76	HEPAB80	209423 10/30/97	Uni-ZAP XR	304 802	1 802	67 67	685 698	1	28	29	122	
77	HFABG18	PTA-1544 03/21/00	Uni-ZAP XR	87 1345	1 1345	53 53	471 481	1	26	27	87	
78	HFABH95	209407 10/23/97	Uni-ZAP XR	88 1347	1 1347	199 199	472 482	1	21	22	116	
79	HFAEF57	209277 09/18/97	Uni-ZAP XR	89 642	1 642	232 232	473 483	1	42	43	86	
80	HFCEB37	209008 04/28/97	Uni-ZAP XR	90 802	352 802		487 484	1			10	
81	HFFAD59	209242 05/29/97	Lambda ZAP II	91 470	1 470	44 44	475 485	1	17	18	45	
82	HFGAD82	209225 08/28/97	Uni-ZAP XR	92 1881	772 1861	1019 1019	476 486	1	18	19	38	

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83	HFIN69	PTA-846 10/13/99	pSport1	93	1450	1	1450	45	45	477	1	39	40	43
83	HFIN69	PTA-846 10/13/99	pSport1	302 305	559	1	559	52	52	686 699	1	39	40	43
83	HFIN69	PTA-846 10/13/99	pSport1	303 306	678	1	678		280 700					2
84	HFIUR10	209277	pSport1	94	541	1	541	50	50	478	1	22	23	44
85	HFKFG02	209627 02/12/98	Uni-ZAP XR	95	795	1	795	110	110	479	1	18	19	53
86	HFTBM50	209300 09/25/97	Uni-ZAP XR	96	762	1	740	158	158	480 490	1	20	21	34
87	HFTDZ36	209300 09/25/97	Uni-ZAP XR	97	1103	231	1103	547	547	484	1	22	23	68
88	HFXBL33	203071 07/27/98	Lambda ZAP II	98	1633	1	1633	152	152	482 492	1	24	25	162
89	HFXHK73	209580 01/14/98	Lambda ZAP II	99	1873	1	1873	247	247	483 493	1	36	37	67
90	HFXIX44	209782 04/20/98	Lambda ZAP II	100	1384	1	1384	98	98	484 494	1	18	19	47
91	HFXKY27	209877 05/18/98	Lambda ZAP II	101	945	1	945	44	44	485 495	1	19	20	58
92	HGBH135	209423 10/30/97	Uni-ZAP XR	102	1437	71	1276	87	87	486 496	1	16	17	292
93	HGLAF75	209407 10/23/97	Uni-ZAP XR	103	776	1	776	231	231	487 497	1	28	29	121

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94	HHBCS39	PTA-848 10/13/99	pCMV Sport 1	2895	1	2895	104	488	1	26	27	166	
94	HHBCS39	PTA-848 10/13/99	pCMV Sport 1	304	1042	1	1042	150	688	1	26	27	166
94	HHBCS39	PTA-848 10/13/99	pCMV Sport 1	305	1556	171	1556	1260	689	1	16	17	26
95	HHEAA08	209853 05/07/98	pCMV Sport 3.0	105	2150	1	2150	88	88	489	1	38	39
95	HHEAA08	209853 05/07/98	pCMV Sport 3.0	306	615	1	615	311	690	1	13	14	20
96	HHENV10	209368 10/16/97	pCMV Sport 3.0	106	1155	1	1155	143	143	490	1	27	28
97	HHFFJ48	209627 02/12/98	Uni-ZAP XR	107	2566	1	2566	65	65	494	1	21	22
98	HHFHJ59	97975 04/04/97 209081 05/29/97	Uni-ZAP XR	108	661	1	661	192	192	492	1	29	30
99	HHGBO91	209242 09/12/97	Lambda ZAP II	109	715	1	715	140	140	493	1	28	29
100	HHGCG53	97899 02/26/97 209045 05/15/97	Lambda ZAP II	110	407	1	407	230	230	494	1	33	34
								502					

Gene No.	cDNA Clone ID	ATCC Deposit No.Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of AA of ORF
101	HHGCM76	97958 03/13/97 209072 05/22/97	Lambda ZAP II	111	711	8	711	270	495	1	22	23	89
101	HHGCM76	97958 03/13/97 209072 05/22/97	Lambda ZAP II	307 <u>310</u>	711	8	711	270	694 <u>704</u>	1			11
102	HHGCQ54	209300 09/25/97	Lambda ZAP II	112	875	1	875	62	496	1	15	16	51
103	HHPEN62	209746 04/07/98	Uni-ZAP XR	113	2152	141	2152	183	497	1	27	28	508
104	HHABB94	209119 06/12/97	pBluescript SK-	114	1555	1	1555	74	498	1	28	29	77
105	HHACCG02	209215 08/21/97	pBluescript SK-	115	575	1	575	66	499	1	22	23	108
105	HHACCG02	209215 08/21/97	pBluescript SK-	308 <u>311</u>	553	1	553	47	47	692	1	23	24
106	HHACCG30	PTA-843 10/13/99	pBluescript SK-	116	1532	1	1532	291	291	500	1	27	28
106	HHACCG30	PTA-843 10/13/99	pBluescript SK-	309 <u>312</u>	1614	1020	1614		50	693	1	1	2
106	HHACCG30	PTA-843 10/13/99	pBluescript SK-	340 <u>313</u>	1087	491	1087		350	694	1	1	2
107	HJBCY35	209877 05/18/98	pBluescript SK-	117	1559	93	1272	232	232	504	1	23	24
										<u>511</u>			327

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	5' NT Total Seq.	3' NT Total Seq.	5' NT of Start Codon	5' NT of First SEQ	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
108	HJPAD75	209641 02/25/98	Uni-ZAP XR	118	1231	1	1231	60	502	1	29	30
109	HKABZ65	209683 03/20/98	pCMVSport 2.0	119	1189	1	1189	77	503	1	17	18
109	HKABZ65	209683 03/20/98	pCMVSport 2.0	344	1191	1	1191	69	695	1	17	18
110	HKACD58	209346 10/09/97	pCMVSport 2.0	120	3153	1	3153	38	504	1	25	26
110	HKACD58	209346 10/09/97	pCMVSport 2.0	342	1626	1	1626	35	696	1	25	26
111	HKAEV06	209627 02/12/98	pCMVSport 2.0	121	2496	1	2496	501	505	1	30	31
111	HKAEV06	209627 02/12/98	pCMVSport 2.0	313	2351	1	2351	197	697	1	29	30
112	HKAFT66	PTA-849 10/13/99	pCMVSport 2.0	122	1001	270	1001	508	508	506	1	41
112	HKAFT66	PTA-849 10/13/99	pCMVSport 314	1001	270	1001	508	508	698	1	41	42
112	HKAFT66	PTA-849 10/13/99	pCMVSport 2.0	317					711			107
112	HKAFT66	PTA-849 10/13/99	pCMVSport 315	669	1	669	234	234	699	1		37
113	HKB1E57	209651 03/04/98	pCMVSport 1	123	1142	1038	1142	178	178	507	1	30
113	HKB1E57	209651 03/04/98	pCMVSport 316	417	1	417	30	30	700	1	26	27
114	HKFBC53	209782 04/20/98	ZAP Express	124	2238	1	2238	64	64	508	1	15
								518				470

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	NT Total Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF	
114	HKFBC53	209782 04/20/98	ZAP Express Vector <u>347</u> <u>320</u>	1949	1	1906	41	41	<u>701</u>	1	18	19	442	
114	HKFBC53	209782 04/20/98	ZAP Express Vector <u>348</u> <u>321</u>	1487	1	1487		3	<u>702</u>	1	1	2	309	
114	HKFBC53	209782 04/20/98	ZAP Express <u>349</u> <u>322</u>	1525	1	1525		3	<u>703</u>	1	1	2	243	
115	HKGDL36	209877 05/18/98	pSport1	1052	1	1052	53	53	<u>509</u>	1	33	34	260	
115	HKGDL36	209877 05/18/98	pSport1 <u>320</u> <u>323</u>	1050	1	1050	55	55	<u>704</u>	1	33	34	148	
116	HKISB57	209603 01/29/98	pBluescript	1492	1	1439	130	130	<u>540</u>	1	19	20	95	
117	HKMMMW74	209463 11/14/97	pBluescript	1794	1	1794	202	202	<u>511</u>	1	21	22	41	
118	HLDNA86	209277 09/18/97	pCMV Sport	1346	1	1346	238	238	<u>512</u>	1	34	35	163	
118	HLDNA86	209277 09/18/97	pCMV Sport	3.0	<u>321</u>	<u>720</u>	1	717	45	<u>705</u>	1	31	32	92
119	HLDON23	209628 02/12/98	pCMV Sport	129	1262	208	1256	368	<u>513</u>	1	20	21	113	
120	HLDQR62	203027 06/26/98	pCMV Sport	130	2572	427	2572	520	<u>514</u>	1	18	19	161	
121	HLDQU79	203071 07/27/98	pCMV Sport	131	1488	1	1488	99	<u>515</u>	1	23	24	348	
122	HLHAL68	209746 04/07/98	Uni-ZAP XR	132	704	1	704	30	<u>516</u>	1	21	22	44	

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	5' NT of Total NT Seq.	3' NT of NT Seq.	5' NT of Start Codon	5' NT of First SEQ ID NO: Y	AA of Sig Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
123	HLJBD68	203071 07/27/98	pCMVSport 1	133	1022	1	1022	186	517	1	35	36
124	HLJCQ90	203517 12/10/98	pCMVSport 1	134	1766	1	1766	249	518	1	29	30
125	HLQDR48	209603 01/29/98	Lambda ZAP II	135	989	1	989	10	519	1	21	22
125	HLQDR48	209603 01/29/98	Lambda ZAP II	322	990	1	990	3	706	1	21	22
126	HLTHR66	209782 04/20/98	Uni-ZAP XR	136	2286	1	2286	5	520	1	34	35
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	137	1240	1	1170	226	521	1	26	27
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	323	647	1	647	226	707	1	26	27
127	HLTTP94	PTA-2076 06/09/00	Uni-ZAP XR	324	1321	870	1209	3	708	1	1	2
128	HLWAA17	209626 02/12/98	pCMVSport 3.0	138	997	246	997	436	522	1	15	16
129	HLWBK05	203331 10/08/98	pCMVSport 3.0	139	2383	157	2383	280	523	1	34	35
130	HLWBY76	203517 12/10/98	pCMVSport 3.0	140	2081	1	2081	432	524	1	27	28
131	HLWCF05	209126 06/19/97	pCMVSport 3.0	141	646	1	646	155	525	1	36	37
132	HLYAC95	203071 07/27/98	pSport1	142	312	1	312	92	526	1	16	17
								536				46

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	NT SEQ ID NO: X	5' NT Total NT Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
133	HLYAN59	209346 10/09/97	pSport1	143	770	1	770	383	527	1	40	41
133	HLYAN59	209246 10/09/97	pSport1	325	729	1	729	254	709	1	39	40
134	HLYAP91	209246 10/09/97	pSport1	144	1276	1	1276	280	528	1	29	30
135	HLYES38	209353 05/07/98	pSport1	145	1223	1	1223	69	529	1	22	23
136	HMDAK33	209368 10/16/97	Uni-ZAP XR	146	864	1	864	161	530	1	24	25
137	HMADS41	209563 12/18/97	Uni-ZAP XR	147	1267	1	1267	267	534	1	21	22
138	HMAMI15	PTA-2075 06/09/00	Uni-ZAP XR	148	1258	1	1258	4	532	1	26	27
138	HMAMI15	PTA-2075 06/09/00	Uni-ZAP XR	326	1084	1	1084	3	710	1	26	27
139	HMCFY13	209628 02/12/98	Uni-ZAP XR	149	883	1	883	175	533	1	27	28
140	HMDAB56	209368 10/16/97	Uni-ZAP XR	150	1465	1	1465	273	534	1	32	33
141	HMEED18	209368 10/16/97	Lambda ZAP II	151	1369	28	1369	34	535	1	34	35
142	HMEFT54	209243 09/12/97	Lambda ZAP II	152	596	1	596	332	536	1	19	20
143	HMEGF92	209243 09/12/97	Lambda ZAP II	153	629	1	611	92	537	1	27	28
								547				62

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: NT Seq.	5' NT of Total NT	3' NT of Total NT	5' NT of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	154	2497	1	2497	531	531	538	1	26
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	327	1776	1	1776	528	528	744	1	26
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	328	784	1	784	565	565	742	1	6
144	HMSDL37	PTA-842 10/13/99	Uni-ZAP XR	329	699	275	427	2	743	1	1	2
145	HMSFL26	209368 10/16/97	Uni-ZAP XR	155	1217	1	1217	120	539	1	34	35
146	HMSJU68	209076 05/22/97	Uni-ZAP XR	156	1123	4	1123	272	272	540	1	31
147	HMTB136	PTA-322 07/09/99	pCMV Sport 3.0	157	3388	1	3388	256	256	541	1	18
148	HMVB81	209628 02/12/98	pSport1	158	529	1	529	34	34	542	1	43
149	HMWDC28	209126 06/19/97	Uni-ZAP XR	159	1146	105	754	124	124	543	1	30
150	HMWFT65	209368 10/16/97	Uni-ZAP XR	160	1346	1	1346	72	72	544	1	27
151	HNEEE24	209346 10/09/97	Uni-ZAP XR	161	1079	1	1079	213	213	545	1	21
152	HNFFC43	203027 06/26/98	Uni-ZAP XR	162	2103	209	2058	488	488	546	1	12
								556	556	1	13	68

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	5' NT Total Seq. NT Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First Signal Pep	AA of ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
153	HNF1GF20	203071 07/27/98	Uni-ZAP XR	163 1370	38	1370	206	547	1	45	46	143
154	HNFIY77	209628 02/12/98	pBluescript	164 1212	28	1212	228	548	1	34	35	233
155	HNF1F07	209463 11/14/97	Uni-ZAP XR	165 616	1	616	86	549	1	21	22	66
156	HNGDJ72	209299 09/25/97	Uni-ZAP XR	166 524	1	524	185	550	1	19	20	113
157	HNGEP09	209197 08/08/97	Uni-ZAP XR	167 1042	1	1042	72	551	1	15	16	82
158	HNGFR31	209407 10/23/97	Uni-ZAP XR	168 536	1	536	108	552	1	23	24	90
159	HNGII31	209236 09/04/97	Uni-ZAP XR	169 796	1	796	135	553	1	16	17	36
160	HNGJE50	209368 10/16/97	Uni-ZAP XR	170 1037	1	1037	77	554	1	36	37	46
161	HNGND37	203648 02/09/99	Uni-ZAP XR	171 841	1	841	388	555	1	27	28	82
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	172 2128	1	2128	27	556	1	34	35	57
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	331 774	1	774	27	745	1	34	35	57
162	HNGOI12	PTA-847 10/13/99	Uni-ZAP XR	332 1396	1	1396	596	746	1	25	26	93
163	HNHEU93	209628 02/12/98	Uni-ZAP XR	173 748	1	748	57	557	1	34	35	81

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	NT SEQ ID NO: X	5' NT Total Seq. of NT Seq.	3' NT Total Seq. of NT Seq.	5' NT Total Seq. of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
164	HNHFM14	209683 03/20/98	Uni-ZAP XR	174	297	1	297	38	558	1	28	29
165	HNHFR04	209683 03/20/98	Uni-ZAP XR	175	1681	1	1681	71	559	1	21	22
166	HNHNB29	PTA-623 09/02/99	Uni-ZAP XR	176	1894	1	1894	40	560	1	20	21
167	HNHOD46	PTA-1543 03/21/00	Uni-ZAP XR	177	1355	1	1355	12	561	1	20	21
168	HNTBL26	209563 12/18/97	pCMVSport 3.0	178	1382	1	1382	28	562	1	35	36
168	HNTBL26	209563 12/18/97	pCMVSport 3.0	1397	1	1397	32	32	714	1	35	36
168	HNTBL26	209563 12/18/97	pCMVSport 3.0	333	1368	1	1368	16	718	1	35	36
169	HNTBL27	209324 10/02/97	pCMVSport 3.0	334	1368	1	1368	16	731			131
170	HNTCE26	PTA-1544 03/21/00	pCMVSport 3.0	180	2163	830	2163	111	111	564	1	30
170	HNTCE26	PTA-1544 03/21/00	pCMVSport 3.0	335	1763	1	1763	57	719	1	28	29
171	HNTN1C20	209782 04/20/98	pSport1	181	1979	1	1979	270	270	565	1	19
172	HNTN1O1	209782 04/20/98	pSport1	182	2087	1	2087	307	307	566	1	33
172	HNTN1O1	209782 04/20/98	pSport1	336	1274	1	1114	306	720	1	33	34
				339	733							49

Gene No.	cDNA Clone ID	ATCC Deposit No.: Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
173	HNTSY18	PTA-855 10/18/99	pSport1	183	1811	265	1783	257	567	1	31	32	89
173	HNTSY18	PTA-855 10/18/99	pSport1	337	847	742	819	420	724	1	1	2	79
174	HOCAF19	203570 01/11/99	pSport1	184	1118	1	1118	166	166	568	1	20	21
175	HODDF13	203069 07/27/98	Uni-ZAP XR	185	830	1	830	46	46	569	1	23	24
176	HODDN92	209012 04/28/97 209089 06/05/97	Uni-ZAP XR	186	1939	294	1939	434	570	1	26	27	35
177	HODEJ32	203570 01/11/99	Uni-ZAP XR	187	739	1	739	358	574	1	21	22	43
178	HOFMQ33	PTA-848 10/13/99	pCMVSport	188	2410	1	2410	49	49	572	1	24	25
178	HOFMQ33	PTA-848 10/13/99	pCMVSport	338	2409	1	2409	48	48	722	1	24	25
178	HOFMQ33	PTA-848 10/13/99	pCMVSport	339	876	1	876	78	78	723	1	24	266
178	HOFMQ33	PTA-848 10/13/99	pCMVSport	340	1586	1	1586	724	724	1		5	
179	HOHBY44	PTA-867 10/26/99	pCMVSport	189	3369	1	3369	170	170	573	1	24	25
								583					184

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	5' NT of Total NT Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
179	HOHBY44	PTA-867 10/26/99	pCMV Sport 2.0	342 345	1063 533	1063	2	726	1	1	2	77
179	HOHBY44	PTA-867 10/26/99	pCMV Sport 2.0	343 346	1178	1	1178	54	727	1	1	2
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	190	3530	1	3530	361	574	1	21	22
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	344 347	585	64	585	102	728	1	24	25
180	HOQBJ82	PTA-845 10/13/99	Uni-ZAP XR	345 348	4344	1339	1942	55	729	1	1	2
181	HOSBY40	209551	Uni-ZAP XR	191	1145	1	1145	89	575	1	30	31
182	HOSDJ25	209423 10/30/97	Uni-ZAP XR	192	2214	985	2214	1076	576	1	18	19
182	HOSDJ25	209423 10/30/97	Uni-ZAP XR	346 349	1258	1	1258	146	730	1	18	40
183	HOUCQ17	209086 05/29/97	Uni-ZAP XR	193	4712	1	4693	508	577	1	51	967
184	HPEAD79	209244 09/12/97	Uni-ZAP XR	194	813	1	813	51	578	1	15	16
185	HPBO15	209563 12/18/97	Uni-ZAP XR	195	1739	1	1739	128	579	1	18	19
186	HPJB133	209889 12/18/97	Uni-ZAP XR	347 350	1739	1	1739	127	731	1	18	19
				196	1677	1	1677	236	580	1	31	32
								590				53

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ	AA of ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	197	2648	1	2648	126	581	1	18	19	48
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	348	538	1	538	119	732	1	18	19	48
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	349	1346	1	1346	969	733	1			10
187	HPJBK12	PTA-855 10/18/99	Uni-ZAP XR	350	912	1	912	509	734	1			4
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	198	3107	1	3107	86	582	1	35	36	80
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	351	995	58	995	136	735	1	35	36	80
188	HPJCL22	PTA-2071 06/09/00	Uni-ZAP XR	352	751	183	751	232	736	1	1	2	145
189	HPMDK28	209628 02/12/98	Uni-ZAP XR	353	1177	1	1083	58	737	1	25	26	201
189	HPMDK28	209628 02/12/98	Uni-ZAP XR	354	1084	1	1084	64	583	1	25	26	201
190	HPRAL78	209195 08/01/97	Uni-ZAP XR	200	2072	1	2072	62	584	1	29	30	420
190	HPRAL78	209195 08/01/97	Uni-ZAP XR	355	1775	1038	1775	70	738	1	29	30	392
191	HRABA80	209889 05/22/98	pCMV Sport 3.0	201	1251	1	1251	144	585	1	27	28	102

Gene No.	cDNA Clone ID	ATCC Deposit No.Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First AA of Signal Pep	AA ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA Secreted Portion	Last AA of ORF
191	HRABA80	209889 05/22/98	pCMV Sport Vector 3.0	356 357	1237 130	1237 130	740 753	1 1	27 28	1 27	28 102		
192	HRACD15	209852 05/07/98	pCMV Sport 3.0	202	1539	24 1539	252 252	586 596	1 1	40 40	41 41	53 53	
192	HRACD15	209852 05/07/98	pCMV Sport 3.0	357	1681	24 1453	252 252	744 754	1 1	40 40	41 41	53 53	
193	HRACI35	209878 05/18/98	pCMV Sport 3.0	203	2077	1 2077	132 132	587 597	1 1	24 24	25 25	472 472	
193	HRACI35	209878 05/18/98	pCMV Sport 3.0	358	1863	8 1863	99 99	742 755	1 1	24 24	25 25	472 472	
193	HRACI35	209878 05/18/98	pCMV Sport 3.0	359	1134	1 1134	1 743	1 756	1 1	1 2	2 178		
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	204	2108	1 2108	30 30	588 598	1 1	27 27	28 28	359 359	
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	360	626	8 626	30 30	744 757	1 1	38 38	39 39	199 199	
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	361	152	1 152	11 11	745 758	1 1			2 2	
194	HRGBL78	PTA-841 10/13/99	Uni-ZAP XR	362	1760	127 1760	1048 759	746 759	1 1	10 10	11 11	32 32	
195	HROA139	PTA-2069 06/09/00	Uni-ZAP XR	205	1146	224 1146	10 10	589 599	1 1	30 30	31 31	379 379	
195	HROA139	PTA-2069 06/09/00	Uni-ZAP XR	363	880	1 880	31 31	747 760	1 1	15 15	16 16	283 283	
195	HROA139	PTA-2069 06/09/00	Uni-ZAP XR	364	1106	224 1106	247 247	748 761	1 1	15 15	16 16	286 286	

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	NT SEQ ID NO: X	5' NT Total Seq.	3' NT of NT Seq.	5' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ	AA of ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
196	HROBD68	203499 12/01/98	Uni-ZAP XR	206	1998	1	1998	122	122	590	1	22	23
197	HSAWD74	209126 06/19/97	Uni-ZAP XR	207	970	106	970	142	142	591	1	26	27
197	HSAWD74	209126 06/19/97	Uni-ZAP XR	365	646	1	646	122	122	749	1	29	30
198	HSDEK49	209603 01/29/98	Uni-ZAP XR	208	1782	1	1782	60	60	592	1	19	20
198	HSDEK49	209603 01/29/98	Uni-ZAP XR	366	1590	96	1590	126	126	750	1	21	22
199	HSDFI26	203648 02/09/99	Uni-ZAP XR	209	1205	23	1179	99	99	593	1	20	21
199	HSDFI26	203648 02/09/99	Uni-ZAP XR	367	1179	1	1179	99	99	751	1	19	20
200	HSDJA15	203081 07/30/98	Uni-ZAP XR	210	1443	1	1443	247	247	594	1	20	21
201	HSDJM31	209148 07/17/97	Uni-ZAP XR	211	561	1	561	351	351	595	1	25	26
202	HSDSB09	209145 07/17/97	pBluescript	212	809	1	809	16	16	596	1	17	18
202	HSDSB09	209145 07/17/97	pBluescript	368	819	1	819	22	22	752	1	17	18
203	HSHAX21	209853 05/07/98	Uni-ZAP XR	213	1986	1	1986	177	177	597	1	13	14
204	HSDJ81	209551 12/12/97	Uni-ZAP XR	214	1303	1	1303	8	8	598	1	22	23
								608	608				58

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ ID NO: Y	AA of Sig Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	215	587	1	587	41	41	599	1	23	24
205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	369	1507	164	608	57	57	753	1	19	20
205	HSJBQ79	97924 03/07/97	Uni-ZAP XR	370	586	4	586	35	35	754	1	23	24
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	216	4412	1	4412	786	786	600	1	24	25
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	374	1792	134	1792	127	127	755	1	21	22
206	HSKDA27	PTA-322 07/09/99	Uni-ZAP XR	375	1673	1	1673	12	12	756	1	21	22
207	HSKG81	97977 04/04/97	pBluescript 209082 05/29/97	217	1907	151	1432	353	353	604	1	23	24
207	HSKG81	97977 04/04/97	pBluescript 209082 05/29/97	373	2084	335	2084	537	537	757	1	18	19
208	HSKNB56	209346 10/09/97	pBluescript	218	1334	449	1334	484	484	602	1	25	26
209	HSNAD72	209139 07/03/97	Uni-ZAP XR	219	861	1	861	220	220	603	1	19	20
210	HSNMC45	209300 09/25/97	Uni-ZAP XR	220	587	1	587	225	225	604	1	18	19
								614	614				55

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ	AA ID of Signal Pep	AA ID of Sig Pep	First AA Y	Last AA Sig	First AA of Secreted Portion	Last AA of ORF
210	HSNMC45	209300 09/25/97	Uni-ZAP XR	374 377	720	1	720	232	758 771	1	17	18	25	
211	HSQFP66	209126 06/19/97	Uni-ZAP XR	221	477	1	477	96	96 615	1	32	33	78	
212	HSRFZ57	PTA-622 09/02/99	Uni-ZAP XR	222	1930	1	1925	82	82 616	1	18	19	41	
213	HSUBW09	209007 04/28/97	Uni-ZAP XR	223 209083 05/29/97	1021	1	1021	153	153 607 617	1	31	32	56	
214	HSVBU91	209603 01/29/98	Uni-ZAP XR	224	727	1	727	256	608 618	1	18	19	90	
215	HSXGI47	PTA-499 08/11/99	Uni-ZAP XR	225	1256	1	1256	87	87 619	1	21	22	57	
216	HSYAZ63	PTA-163 06/01/99	pCMVSport 3.0	226	3466	1655	3347	448	448 620	1	30	31	434	
216	HSYAZ63	PTA-163 06/01/99	pCMVSport 3.0	375	1707	1	1707	215	759 772	1	21	22	40	
217	HSYBG37	209463 11/14/97	pCMVSport 3.0	227	1238	1	1238	47	47 621	1	24	25	305	
217	HSYBG37	209463 11/14/97	pCMVSport 3.0	376	1239	1	1239	48	48 773	1	24	25	305	
218	HTADW91	PTA-1543 03/21/00	Uni-ZAP XR	228	1481	54	1481	59	59 612	1	32	33	364	
219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	229	1341	1	1341	319	319 622	1	33	34	282	

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First Signal Pep	AA SEQ ID NO: Y	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	377 738	159	738	372	761	1	33	34	122	
219	HTAEE28	PTA-843 10/13/99	Uni-ZAP XR	378 381	935	1	807	124	762	1	1	2	216
220	HTDAF28	97974 04/04/97	pSport1	230	912	1	912	38	644	1	22	23	87
		209080 05/29/97						624					
221	HTECC05	209877 05/18/98	Uni-ZAP XR	231	839	1	839	13	645	1	15	16	178
221	HTECC05	209877 05/18/98	Uni-ZAP XR	379	871	1	871	21	763	1	15	16	127
221	HTECC05	209877 05/18/98	Uni-ZAP XR	380	881	1	881	27	764	1	15	16	164
222	HTEEB42	97922 03/07/97	Uni-ZAP XR	232	1022	20	1022	59	646	1	22	23	298
223	HTEFU65	209324 10/02/97	Uni-ZAP XR	233	1028	1	1028	231	647	1	24	25	46
224	HTEGA76	97958 03/13/97	Uni-ZAP XR	234	450	1	450	90	648	1	43	44	65
		209072 05/22/97						628					

Gene No.	cDNA Clone ID	ATCC Deposit No.:Z and Date	NT SEQ ID NO: X	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First SEQ ID NO: Y	AA of Signal Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
225	HTEJN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR <u>384</u>	235 1094	1	1094	156	156	649	1	15	16	208
225	HTEJN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR <u>384</u>	1147	1	1147	163	163	765	1	15	16	159
225	HTEJN13	97958 03/13/97 209072 05/22/97	Uni-ZAP XR <u>385</u>	1134	1	1134	155	155	766	1	19	20	71
226	HTELP17	203648 02/09/99	Uni-ZAP XR	236 808	1	808	164	164	620	1	20	21	44
227	HTELS08	PTA-1544 03/21/00	Uni-ZAP XR	237 1898	1	1898	15	15	621	1	17	18	158
228	HTLEP53	209641 02/25/98	Uni-ZAP XR	238 818	1	818	73	73	622	1	43	44	101
229	HTOIY21	209852 05/07/98	Uni-ZAP XR	239 1558	1	1558	91	91	623	1	14	15	231
230	HTPCS72	209423 10/30/97	Uni-ZAP XR	240 3435	2141	3431	2365	2365	624	1	29	30	71
230	HTPCS72	209423 10/30/97	Uni-ZAP XR <u>386</u>	383 1598	306	1598	530	530	767	1	29	30	71
231	HTPIH83	PTA-871 10/26/99	Uni-ZAP XR	241 1481	1	1481	118	118	625	1	24	25	230
									635				

Gene No.	cDNA Clone ID	ATCC Deposit No:Z and Date	NT SEQ ID NO: X	5' NT Total Seq. of NT Seq.	3' NT Total Seq. of NT Seq.	5' NT Total Seq. of Start Codon	5' NT of First SEQ AA of Signal Pep	AA ID NO: Y	First AA Sig Pep	Last AA Sig Pep	First AA of Secreted Portion	Last AA of ORF
231	HTPIH83	PTA-871 10/26/99	Uni-ZAP XR <u>384</u>	530	1	530	111	111	768	1	24	25
231	HTPIH83	PTA-871 10/26/99	Uni-ZAP XR <u>385</u>	1046	359	1046	96	769	1	1	2	86
232	HTSEW17	209138 07/03/97	pBluescript 242	652	1	652	170	170	626	1	34	35
233	HTTBI76	209641 02/25/98	Uni-ZAP XR	243	1711	1	1711	133	627	1	22	23
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR	244	2058	1	2058	95	628	1	17	18
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR <u>386</u>	819	1	819	100	100	770	1	17	18
234	HTTBS64	PTA-841 10/13/99	Uni-ZAP XR <u>387</u>	501	1	501	175	774	1	1	2	76
235	HTWKE60	209651 03/04/98	Lambda ZAP II	245	407	1	407	185	629	1	25	26
236	HTXAJ12	209423 10/30/97	Uni-ZAP XR	246	675	1	675	91	630	1	18	19
236	HTXAJ12	209423 10/30/97	Uni-ZAP XR <u>388</u>	675	1	675	91	91	772	1	18	19
237	HTXJM03	209580 01/14/98	Uni-ZAP XR	247	2398	211	2398	328	631	1	18	19
238	HTXKF95	PTA-622 09/02/99	Uni-ZAP XR	248	975	170	966	421	632	1	28	29
238	HTXKF95	PTA-622 09/02/99	Uni-ZAP XR <u>389</u>	884	79	875	330	330	773	1	28	29
									786			78

Gene No.	cDNA Clone ID	ATCC Deposit No/Z and Date	Vector	NT SEQ ID NO:	Total NT Seq.	5' NT of Clone Seq.	3' NT of Clone Seq.	5' NT of Start Codon	5' NT of First Signal Pep	AA of First Sig Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
				X	NT Seq.	Clone Seq.	Clone Seq.	Codon	SEQ ID NO:	AA of Sig Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
239	HTXON32	203648	Uni-ZAP XR	249	1505	1	1505	72	72	633	1	22	23	52
240	HUFCI30	209641	pSport1	250	868	1	868	123	123	634	1	29	30	50
241	HUVEB53	209603	Uni-ZAP XR	251	1502	1	1502	14	14	635	1	20	21	45
242	HWAAD63	203570	pCMVSport	252	3308	1	3308	322	322	636	1	30	31	168
242	HWAAD63	203570	pCMVSport	390	3306	1	3306	322	322	774	1	30	31	53
242	HWAAD63	01/11/99	3.0	393	3306	1	3306	322	322	787	1	30	31	169
243	HWADJ89	203570	pCMVSport	391	2194	1	2194	312	312	775	1	30	31	43
244	HWADJ89	01/11/99	3.0	394	2194	1	2194	312	312	788	1	30	31	43
244	HWBCP79	209641	pCMVSport	253	1769	529	1769	581	581	637	1	1	2	105
244	HWBCP79	02/25/98	3.0	395	1769	529	1769	581	581	647	1	1	2	105
245	HWBEM18	PTA-868	pCMVSport	255	6729	1	6729	75	75	639	1	25	26	1887
245	HWBEM18	PTA-868	pCMVSport	393	3599	1	3599	65	65	777	1	25	26	886
245	HWBEM18	PTA-868	pCMVSport	394	2924	1	2496	1	1	778	1	1	2	498
246	HWBFX31	PTA-1543	pCMVSport	256	1677	1	1677	271	271	640	1	1	2	52
		03/21/00	3.0					649	649					

Gene No.	cDNA Clone ID	ATCC Deposit No/Z and Date	Vector	NT SEQ ID NO: X	5' NT of Total NT Seq.	3' NT of Total NT Seq.	5' NT of Clone Seq.	AA of Codon Seq.	5' NT of First AA of Signal Pep	AA of ID NO: Y Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion	Last AA of ORF
					NT Seq ID NO: X	5' NT of Total NT Seq.	3' NT of Total NT Seq.	5' NT of Clone Seq.	AA of Codon Seq.	5' NT of First AA of Signal Pep	AA of ID NO: Y Pep	First AA of Sig Pep	Last AA of Sig Pep	First AA of Secreted Portion
247	HWHGZ51	PTA-499 08/11/99	pCMV Sport 3.0	257	1699	1	1699	33	33	641	1	30	31	346
248	HWTBK81	209138 07/03/97	Uni-ZAP XR	258	637	78	635	139	139	642	1	23	24	155
249	HAGA185	97922 03/07/97 209070 05/22/97	Uni-ZAP XR	259	1752	52	1752	166	166	653	1	23	24	30
250	HOFOC33	PTA-848 10/13/99	pCMVSport 2.0	260	1669	1	1669	76	76	654	1	21	22	363
251	HSDEZ20	209852 05/07/98	Uni-ZAP XR	261	795	1	795	58	58	655	1	41	42	122